

Government of India
Telecommunication Engineering Centre
Department of Telecommunications
(CA Division)

No. 1-84/2026-CA/TEC

Dated: 23/07/2026

To,

M/s STL OF Quality Testing Laboratory,
(A Unit of Sterlite Technologies Limited)

E1, E2, E3, MIDC Waluj,

Aurangabad – 431136, Maharashtra

Mob: +91-9561407722

E-mail: stlofqualab@stl.tech, yogesh.pansare@stl.tech

(Kind attention to Sh. Yogesh Pansare, Lab Technical Manager)

Subject: Revocation of Suspension of Designation of M/s STL OF Quality Testing Laboratory (A Unit of Sterlite Technologies Limited), Aurangabad as Conformity Assessment Body (CAB) of TEC.

Ref:(i) TEC CAB Designation Certificate No. TEC/MRA/CAB/IND-D/82 dated 13.07.2022, addendum dated 13.04.2023, and renewed vide letter dated 25.07.2025 (valid from 13.07.2025 to 12.07.2028).

(ii) M/s STL OF Quality Testing Laboratory letter dated 30.06.2026 and e-mail dated 30.06.2026.

(iii) TEC Show Cause Notice No. 1-84/2026-CA/TEC dated 13.07.2026 for suspension of CAB Designation.

(iv) M/s STL OF Quality Testing Laboratory e-mail dated 15.07.2026 along with letter dated 14.07.2026, in reply to the Show Cause Notice of TEC, enclosing supporting documents and Declaration-cum-Undertaking dated 13.07.2026.

(v) TEC Suspension letter No. 1-84/2026-CA/TEC dated 23.07.2026.

A Show Cause Notice vide letter under reference (iii) dated 13.07.2026 was issued proposing suspension of CAB designation due to gap/lapse in NABL accreditation for the period 13.12.2025 to 10.05.2026 in respect of M/s STL OF Quality Testing Laboratory, Aurangabad, pertaining to CAB Designation Certificate No. TEC/MRA/CAB/IND-D/82 dated 13.07.2022 (renewed on 25.07.2025).

2. M/s STL OF Quality Testing Laboratory, Aurangabad, vide letter dated 14.07.2026 and e-mail dated 15.07.2026 under reference (iv), has submitted its reply to the aforesaid Show Cause Notice. The laboratory has submitted that the gap in NABL accreditation occurred solely on account of delay in completion of the re-certification process at

NABL's end, despite a timely renewal application dated 19.10.2025, and that no testing activity was undertaken and no test report was issued by the laboratory to any customer/entity during the said period. The laboratory has also furnished a Declaration-cum-Undertaking dated 13.07.2026 to this effect. The firm has obtained renewal of NABL Accreditation Certificate No. TC-18009, valid from 11.05.2026 to 10.05.2030, and has requested to drop the proposed suspension proceedings and permit continuation of its CAB designation.

3. In view of the above, the CAB Designation Certificate No. TEC/MRA/CAB/IND-D/82 dated 13.07.2022 (renewed on 25.07.2025) of M/s STL OF Quality Testing Laboratory, Aurangabad, was under suspension w.e.f. 13.12.2025 (i.e., date of expiry of NABL accreditation) to 10.05.2026, in view of the fact that the renewed NABL Accreditation Certificate No. TC-18009 was issued on 11.05.2026.

4. Further, in view of the subsequent renewal of NABL accreditation, the Competent Authority has approved the revocation of suspension of CAB designation Certificate No. TEC/MRA/CAB/IND-D/82 dated 13.07.2022 (renewed on 25.07.2025), in accordance with Para 4 of the Guidelines for Suspension and Withdrawal dated 10.10.2023, with effect from **11.05.2026**, i.e., from the date of the renewal of NABL Accreditation Certificate No. TC-18009.

5. Accordingly, a revised/regularised CAB Certificate No. TEC/MRA/CAB/IND-D/82 dated 13.07.2022 (renewed on 25.07.2025), incorporating therein the "Chromatic Dispersion" parameter of the Standard Optical Fibre (Single Mode) & Raw material for Manufacturing of Optical Fibre Cable, which had been inadvertently left out at the time of renewal, is being issued in accordance with the CAB Designation Scheme of TEC and the terms and conditions stipulated therein.

Reason: On account of renewal of NABL Accreditation Certificate No. TC-18009 with validity period dated 11.05.2026 to 10.05.2030 by NABL.

6. This is issued with the approval of Sr. DDG, TEC.

Enclosed: As above.

Digitally signed by
Buddha Priya Rahul
Date: 23-07-2026
14:13:36

AD (CA-II), TEC

Copy to:

1. DDG (TC), TEC, New Delhi – for kind information and necessary action.
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR), RTEC – for information.



**GOVERNMENT OF INDIA
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Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

M/S STL OF QUALITY TESTING LABORATORY, AURANGABAD
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431136

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/82

Issue Date: 23/07/2026

Validity: 13/07/2025 to 12/07/2028

This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.

(To see the scope of designation of this laboratory, you may also visit TEC website www.tec.gov.in)

Signed for and on behalf of TEC

**Digitally signed by
Sanjeev Kumar Arya
Date: 23-07-2026
13:51:59**

**Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/82 dated 23/07/2026 issued to
M/s STL OF Quality Testing Laboratory, Aurangabad
E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431136**



Validity: - 13/07/2025 to 12/07/2028

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

Some of the conditions are reiterated as under:

A. Obligations of the Designated CAB.

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
 - a) Cessation of its business of conformity assessment for which it is Designated or accredited
 - b) Changes in its legal, commercial, or Organisational status
 - c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
 - d) Change of premises

B. REFERENCE TO DESIGNATION STATUS

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

C. POST-DESIGNATION SURVEILLANCE

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

D. SUSPENSION OR WITHDRAWAL OF DESIGNATION

1. DA shall suspend or withdraw the designation of a CAB if
 - a. Its accreditation is withdrawn.
 - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
 - c. It is guilty of any offence involving fraud or dishonesty.
 - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

E. AMENDMENT TO THE SCHEME

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

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Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001



SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory, Aurangabad
E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431 136

Certificate Number: TEC/MRA/CAB/IND-D/82

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
1.	Optical Fibre (Single Mode)	Mode Field Diameter	1310 nm for Optical Fibre (ITU-T G.652.D) IEC 60793-1-45	TEC ER No. TEC70112401
			1550 nm for Optical Fibre (ITU-T G.655) IEC 60793-1-45	TEC ER No. TEC70112401
			1550 nm for Optical Fibre (ITU-T G.656) IEC 60793-1-45	TEC ER No. TEC70112401
			1310 nm for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-45	TEC ER No. TEC70112401
			1310 nm for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-45	TEC ER No. TEC70112401
			1310 nm for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-45	TEC ER No. TEC70112401
		Cladding Diameter	Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC ER No. TEC70112401

***The validity of Certificate is up to 12/07/2028 or the continued validity of NABL Accreditation, whichever is earlier.**

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E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431 136

Certificate Number: TEC/MRA/CAB/IND-D/82

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Cladding Diameter	Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC ER No. TEC70112401
		Cladding Non-Circularity	Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70112401
		Core Clad Concentricity error	Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC ER No. TEC70112401

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Coating/ Cladding Concentricity	Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC ER No. TEC70112401
		Coating Diameter	Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70112401

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Coating Diameter	Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC ER No. TEC70112401
		Attenuation of Uncabled Fibre	Optical Fibre (ITU-T G.652.D) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) (i) at 1550 nm (ii) at 1625 nm (iii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) (i) at 1460 nm (ii) at 1550 nm (iii) at 1625 nm (iv) at 1383 nm (v) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70112401

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Attenuation of Uncabled Fibre	Optical Fibre (ITU-T G.657.A1) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC ER No. TEC70112401

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Certificate Number: TEC/MRA/CAB/IND-D/82

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Attenuation of Uncabled Fibre	Optical Fibre (ITU-T G.657.B3)	TEC ER No. TEC70112401
			(i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	
		Cable Cut off Wavelength	Optical Fibre (ITU-T G.652.D) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC ER No. TEC70112401
		Fibre Cutoff Wavelength for Fibre used in Patch cords & Pig-tails	Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC ER No. TEC70112401

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SCOPE OF DESIGNATION **(ANNEXURE)**

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Certificate Number: TEC/MRA/CAB/IND-D/82

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Polarization Mode Dispersion for Uncabled Fiber	Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC ER No. TEC70112401
		Polarization Mode Dispersion [Link design value for uncabled Fibre]	Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC ER No. TEC70112401
		Zero Dispersion Slope	Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC ER No. TEC70112401

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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s STL OF Quality Testing Laboratory, Aurangabad
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Certificate Number: TEC/MRA/CAB/IND-D/82

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Validity: 13/07/2025 to 12/07/2028

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Zero Dispersion Slope	Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC ER No. TEC70112401
		Zero Dispersion Wavelength range	Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC ER No. TEC70112401
		Fibre Macro bend loss	Optical Fibre (ITU-T G.652.D) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel. (iii) Change in attenuation when fibre is coiled with 100 turns on 50 ±0.5 mm diameter mandrel.	TEC ER No. TEC70112401

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory, Aurangabad
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Fibre Macro bend loss	Optical Fibre (ITU-T G.655) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn around 32 ±0.5 mm diameter mandrel.	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel.	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel	TEC ER No. TEC70112401

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory, Aurangabad
E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431 136

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Optical Fibre (Single Mode)	Fibre Macro bend loss	Optical Fibre (ITU-T G.657.A2) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel.
			TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 5 mm radius mandrel.
			TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Peak Stripability Force to Remove Primary Coating of the fiber (Unaged, Water aged, Damp Heat aged)	Optical Fibre (ITU-T G.652.D) IEC 60793-1-32	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-32	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-32	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-32	TEC ER No. TEC70112401
		Dynamic Tensile Strength (Unaged, Damp Heat aged)	Optical Fibre (ITU-T G.652.D) IEC 60793-1-31	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-31	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-31	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-31	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-31	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-31	TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Dynamic Fatigue (Unaged , Damp Heat aged)	Optical Fibre (ITU-T G.652.D) IEC 60793-1-33	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-33	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-33	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-33	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-33	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-33	TEC ER No. TEC70112401
		Fibre Curl	Optical Fibre (ITU-T G.652.D) IEC 60793-1-34	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-34	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-34	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-34	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-34	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-34	TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Operating Temperature/ Temperature Cycle Test/ Change of Temperature	Optical Fibre (ITU-T G.652.D) IEC 60793-1-52	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-52	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-52	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-52	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-52	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-52	TEC ER No. TEC70112401
		Temperature-Humidity Cycle Test	Optical Fibre (ITU-T G.652.D) EIA/TIA 455-73	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) EIA/TIA 455-73	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) EIA/TIA 455-73	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) EIA/TIA 455-73	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) EIA/TIA 455-73	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) EIA/TIA 455-73	TEC ER No. TEC70112401
		Water Immersion Test at 23°C	Optical Fibre (ITU-T G.652.D) IEC 60793-1-53	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-53	TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Water Immersion Test at 23°C	Optical Fibre (ITU-T G.656) IEC 60793-1-53	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-53	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-53	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-53	TEC ER No. TEC70112401
		Accelerated Aging (Dry Heat) Test at 85°C	Optical Fibre (ITU-T G.652.D) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC ER No. TEC70112401
		Retention of Coating Color	Optical Fibre (ITU-T G.652.D) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51	TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Optical Fibre (Single Mode)	Retention of Coating Color	Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC ER No. TEC70112401
		High Temperature and High Humidity Test	Optical Fibre (ITU-T G.652.D) IEC 60793-2-50	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.655) IEC 60793-2-50	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.656) IEC 60793-2-50	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A1) IEC 60793-2-50	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.A2) IEC 60793-2-50	TEC ER No. TEC70112401
			Optical Fibre (ITU-T G.657.B3) IEC 60793-2-50	TEC ER No. TEC70112401
		Chromatic Dispersion	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC ER No. TEC70112401
			for Optical Fibre (ITU-T G.655) IEC 60793-1-42 (i) at 1530 to 1565 nm (ii) at 1565 to 1625 nm (iii) Dispersion slope at 1550 nm	TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Optical Fibre (Single Mode)	Chromatic Dispersion	for Optical Fibre (ITU-T G.656) IEC 60793-1-42 (i) at 1460 to 1550 nm (ii) at 1550 to 1625 nm (iii) Dispersion slope at 1550 nm	TEC ER No. TEC70112401
			for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC ER No. TEC70112401
			for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC ER No. TEC70112401
			for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC ER No. TEC70112401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
2.	Raw material for Manufacturing of Optical Fibre Cable	Mode Field Diameter	Optical Fibre (ITU-T G.652.D) IEC 60793-2-50	TEC GR No. TEC89010:2021
			1550 nm for Optical Fibre (ITU-T G.655) IEC 60793-1-45	TEC GR No. TEC89010:2021
			1550 nm for Optical Fibre (ITU-T G.656) IEC 60793-1-45	TEC GR No. TEC89010:2021
			1310 nm for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-45	TEC GR No. TEC89010:2021
			1310 nm for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-45	TEC GR No. TEC89010:2021
			for 1310 nm for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-45	TEC GR No. TEC89010:2021
		Cladding Diameter	Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Cladding Non-Circularity	Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC GR No. TEC89010:2021
		Core Clad Concentricity error	Optical Fibre (ITU-T G.652.D) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-20	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-20	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Coating/ Cladding Concentricity	Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC GR No. TEC89010:2021
		Coating Diameter	Optical Fibre (ITU-T G.652.D) IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC GR No. TEC89010:2021

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	Raw material for Manufacturing of Optical Fibre Cable	Coating Diameter	Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-21	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-21	TEC GR No. TEC89010:2021
		Attenuation of Uncabled Fibre	Optical Fibre (ITU-T G.652.D) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) (i) at 1550 nm (ii) at 1625 nm (iii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Attenuation of Uncabled Fibre	Optical Fibre (ITU-T G.656) (i) at 1460 nm (ii) at 1550 nm (iii) at 1625 nm (iv) at 1383 nm (v) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii)Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii)Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s STL OF Quality Testing Laboratory, Aurangabad
E1 E2 E3, MIDC-Waluj, Aurangabad, Maharashtra- 431 136

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Attenuation of Uncabled Fibre	Optical Fibre (ITU-T G.657.B3) (i) at 1310 nm (ii) at 1550 nm (iii) at 1490 nm (iv) at 1270 nm (v) at 1625 nm (vi) water peak attenuation at 1380 to 1390 nm (vii) Sudden irregularity in attenuation IEC 60793-1-40	TEC GR No. TEC89010:2021
		Cable Cut off Wavelength	Optical Fibre (ITU-T G.652.D) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC GR No. TEC89010:2021
		Fibre Cutoff Wavelength for Fibre used in Patch cords & Pig-tails	Optical Fibre (ITU-T G.657.A1) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-44	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-44	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Polarization Mode Dispersion for Uncabled Fiber	Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC GR No. TEC89010:2021
		Polarization Mode Dispersion [Link design value for uncabled Fibre]	Optical Fibre (ITU-T G.652.D) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-48	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-48	TEC GR No. TEC89010:2021
		Zero Dispersion Slope	Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Raw material for Manufacturing of Optical Fibre Cable	Zero Dispersion Slope	Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC GR No. TEC89010:2021
		Zero Dispersion Wavelength range	Optical Fibre (ITU-T G.652.D) IEC 60793-1-42	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42	TEC GR No. TEC89010:2021
		Fibre Macro bend loss	Optical Fibre (ITU-T G.652.D) IEC 60793-1-47	TEC GR No. TEC89010:2021
			(i) Change in attenuation when fiber is coiled with 100 turns on 60 ±1.0 mm diameter mandrel.	
			(ii) Change in attenuation when fiber is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel.	
			(iii) Change in attenuation when fiber is coiled with 100 turns on 50 ±0.5 mm diameter mandrel.	

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Macro bend loss	Optical Fibre (ITU-T G.655) IEC 60793-1-47 (i) Change in attenuation when fiber is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fiber is coiled with 1 turn around 32 ±0.5 mm diameter mandrel.	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-47 (i) Change in attenuation when fiber is coiled with 100 turns on 60 ±1.0 mm diameter mandrel. (ii) Change in attenuation when fiber is coiled with 1 turn around 32 ± 0.5 mm diameter mandrel.	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel.	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Fibre Macro bend loss	Optical Fibre (ITU-T G.657.A2) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 10 turns on 15 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel.	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-47 (i) Change in attenuation when fibre is coiled with 1 turn on 10 mm radius mandrel. (ii) Change in attenuation when fibre is coiled with 1 turn on 7.5 mm radius mandrel. (iii) Change in attenuation when fibre is coiled with 1 turn on 5 mm radius mandrel.	TEC GR No. TEC89010:2021
		Peak Stripability Force to Remove Primary Coating of the fiber (Unaged,	Optical Fibre (ITU-T G.652.D) IEC 60793-1-32	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-32	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-32	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Raw material for Manufacturing of Optical Fibre Cable	Water aged, Damp heat aged)	Optical Fibre (ITU-T G.657.A1) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) (i) 200 µm fibre (ii) 250 µm fibre IEC 60793-1-32	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-32	TEC GR No. TEC89010:2021
		Dynamic Tensile Strength (Unaged, Damp Heat aged)	Optical Fibre (ITU-T G.652.D) IEC 60793-1-31	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-31	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-31	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-31	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-31	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-31	TEC GR No. TEC89010:2021
		Dynamic Fatigue (Unaged, Damp Heat aged)	Optical Fibre (ITU-T G.652.D) IEC 60793-1-33	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-33	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-33	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Dynamic Fatigue (Unaged , Damp Heat aged)	Optical Fibre (ITU-T G.657.A1) IEC 60793-1-33	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-33	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-33	TEC GR No. TEC89010:2021
		Fibre Curl	Optical Fibre (ITU-T G.652.D) IEC 60793-1-34	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-34	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-34	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-34	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-34	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-34	TEC GR No. TEC89010:2021
			Operating Temperature/ Temperature Cycle Test/ Change of Temperature	Optical Fibre (ITU-T G.652.D) IEC 60793-1-52
		Optical Fibre (ITU-T G.655) IEC 60793-1-52		TEC GR No. TEC89010:2021
		Optical Fibre (ITU-T G.656) IEC 60793-1-52		TEC GR No. TEC89010:2021
		Optical Fibre (ITU-T G.657.A1) IEC 60793-1-52		TEC GR No. TEC89010:2021
		Optical Fibre (ITU-T G.657.A2) IEC 60793-1-52		TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Operating Temperature/ Temperature Cycle Test/ Change of Temperature	Optical Fibre (ITU-T G.657.B3) IEC 60793-1-52 TEC GR No. TEC89010:2021
		Temperature-Humidity Cycle Test	Optical Fibre (ITU-T G.652.D) EIA/TIA 455-73 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) EIA/TIA 455-73 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) EIA/TIA 455-73 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) EIA/TIA 455-73 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) EIA/TIA 455-73 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) EIA/TIA 455-73 TEC GR No. TEC89010:2021
		Water Immersion Test at 23°C	Optical Fibre (ITU-T G.652.D) IEC 60793-1-53 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-53 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-53 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-53 TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-53 TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/Specification
	Raw material for Manufacturing of Optical Fibre Cable	Water Immersion Test at 23°C	Optical Fibre (ITU-T G.657.B3) IEC 60793-1-53	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.652.D) IEC 60793-1-51	TEC GR No. TEC89010:2021
		Accelerated Aging (Dry Heat) Test at 85°C	Optical Fibre (ITU-T G.655) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC GR No. TEC89010:2021
		Retention of Coating Color	Optical Fibre (ITU-T G.652.D) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-1-51	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-1-51	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing		Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	High Temperature and High Humidity Test	Optical Fibre (ITU-T G.652.D) IEC 60793-2-50	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.655) IEC 60793-2-50	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.656) IEC 60793-2-50	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A1) IEC 60793-2-50	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.A2) IEC 60793-2-50	TEC GR No. TEC89010:2021
			Optical Fibre (ITU-T G.657.B3) IEC 60793-2-50	TEC GR No. TEC89010:2021
		Chromatic Dispersion	for Optical Fibre (ITU-T G.652.D) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.655) IEC 60793-1-42 (i) at 1530 to 1565 nm (ii) at 1565 to 1625 nm (iii) Dispersion slope at 1550 nm	TEC GR No. TEC89010:2021
			for Optical Fibre (ITU-T G.656) IEC 60793-1-42 (i) at 1460 to 1550 nm (ii) at 1550 to 1625 nm Dispersion slope at 1550 nm	TEC GR No. TEC89010:2021

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Raw material for Manufacturing of Optical Fibre Cable	Chromatic Dispersion for Optical Fibre (ITU-T G.657.A1) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC GR No. TEC89010:2021
		for Optical Fibre (ITU-T G.657.A2) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC GR No. TEC89010:2021
		for Optical Fibre (ITU-T G.657.B3) IEC 60793-1-42 (i) at 1550 nm (ii) at 1625 nm (iii) in 1285-1330 nm band (iv) in 1270-1340 nm band	TEC GR No. TEC89010:2021

Digitally signed by
Buddha Priya Rahul
Date: 23-07-2026
14:07:37

AD (CA-II), TEC

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